

**REMARKS**

Applicants acknowledge the requirement of 37 CFR 1.56 and affirm common ownership of the presently claimed invention.

Claims 1, 3-6, 19-21, 23-27, 29-30 and 42-43 were rejected under 35 U.S.C. § 103(a) as obvious over Supernaw et al. (U.S. 5,065,016) in view of Wraight et al. (U.S. 4,879,463) and Daniel et al. (U.S. 5,481,114). Claims 1, 3, 5, 9, 13-18, 21, 24-25, 28, 32, 36-41 and 43 were rejected under 35 U.S.C. § 103(a) as obvious over Paske et al. (U.S. 4,829,176) in view of Wraight et al. (U.S. 4,879,463) and Daniel et al. (U.S. 5,481,114). Claim 7 was rejected under 35 U.S.C. § 103(a) as obvious over Supernaw et al. (U.S. 5,065,016), Wraight et al. (U.S. 4,879,463) and Daniel et al. (U.S. 5,481,114) as applied to claim 3, and further in view of Stoller et al. (U.S. 5,841,135). Claims 8 and 31 were rejected under 35 U.S.C. § 103(a) as obvious over Supernaw et al. (U.S. 5,065,016), Wraight et al. (U.S. 4,879,463) and Daniel et al. (U.S. 5,481,114) as applied to claims 1 and 21, and further in view of Pauley et al. (U.S. 5,191,210). Claims 9-12 and 32-35 were rejected under 35 U.S.C. § 103(a) as obvious over Supernaw et al. (U.S. 5,065,016), Wraight et al. (U.S. 4,879,463) and Daniel et al. (U.S. 5,481,114) as applied to claims 1 and 21, and further in view of Williams (U.S. 4,743,755).

Claims 1 and 21 have been amended to further distinguish the invention. Claims 4, 9-13, 19-20, 23, 32-36, and 42-43 have been amended accordingly. No new matter has been introduced by these amendments. Claims 11, 13-18, 34, and 36-41 have been canceled without prejudice along with previously canceled claims 2 and 22.

Claims 1 and 21 recite a radiation detector including: a centrally disposed wire extending along the longitudinal axis of the detector to detect radiation; multiple wires surrounding the central wire and extending along the detector longitudinal axis to detect radiation; wherein the centrally disposed and surrounding wires are adapted to simultaneously provide different types of radiation phenomena measurements. The cited references lack any teaching or suggestion of these limitations.

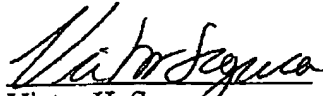
Though the cited art describes apparatus with radiation detectors providing for multiple types of radiation measurements, they relate to clustered, segmented, glass sleeved, and other non-wired detector structures. The cited art does not teach or suggest all the claimed limitations and withdrawal of these rejections is requested.

PATENT  
S.N. 10/091,251

Applicants submit that claims 1, 3-10, 12, 19-21, 23-33, 35 and 42-43 are in condition for allowance and passage to issuance is respectfully requested. If the Examiner believes that a telephone conference would be advantageous in advancing the issuance of the present application, a call to the undersigned at (281) 285-4562 is encouraged.

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